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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/633,929	08/04/2003	Timothy E. Durham	GCSD-1429 (51320)	4956
27975	7590 01/11/2005		EXAMINER	
ALLEN, DYER, DOPPELT, MILBRATH & GILCHRIST P.A.			TRAN, CHUC	
	JS CENTER 255 SOUTH OF	RANGE AVENUE	ART UNIT	PAPER NUMBER
P.O. BOX 3	791		AKI ONII	TATER NOMBER
ORLANDO	, FL 32802-3791		2821 DATE MAILED: 01/11/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

			11				
	Application No.	Applicant(s)	01				
Office Action Summany	10/633,929	DURHAM ET AL.					
Office Action Summary	Examiner	Art Unit					
	Chuc D Tran	2821					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠ Responsive to communication(s) filed on 04 A	August 2003.						
	s action is non-final.						
3) Since this application is in condition for allowed	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4) ☐ Claim(s) 1-41 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) 1-16 and 32-41 is/are allowed. 6) ☐ Claim(s) 17 is/are rejected. 7) ☐ Claim(s) 18-31 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.						
Application Papers			-				
9) The specification is objected to by the Examination The drawing(s) filed on <u>04 August 2003</u> is/are: Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction.	a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. Se	ee 37 CFR 1.85(a).	d).				
11)☐ The oath or declaration is objected to by the E	xaminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
a) ☐ Acknowledgment is made of a claim for foreign a) ☐ All b) ☐ Some * c) ☒ None of: 1. ☐ Certified copies of the priority documen 2. ☐ Certified copies of the priority documen 3. ☐ Copies of the certified copies of the priority documen application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in Applicat prity documents have been receiv u (PCT Rule 17.2(a)).	ion No ed in this National Stage					
Attachment(s)							
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 8/4/03.	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:						

Application/Control Number: 10/633,929 Page 2

Art Unit: 2821

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claim 17 is rejected under 35 U.S.C. 102(b) as being anticipated by Miles (USP. 5,986,796).

Regarding claim 17, Miles disclose a phase array antenna comprising:

- a substrate (130) (Fig. 7);
- an array of dipole antenna elements (80) on the substrate (130) (Fig. 7), each dipole antenna element (80) comprising a medial feed portion (Fig. 4), and a pair of legs extending outwardly therefrom (Fig. 4); and
- a passive load (46) connected to the medial feed portion so that the dipole antenna element functions as a absorber for absorbing received signals (Col. 9, Line 44) while the passive load (46) dissipates energy associated therewith (Col. 9, Line 31).

Allowable Subject Matter

- 3. Claims 1-16 and 32-41 are allowed.
- 4. The following is an examiner's statement of reasons for allowance:

Regarding claims 1 and 32, the references of the Prior Art of record fails to teach or suggest the combination of the limitations as set forth in the claims: a passive load and a switch connected thereto for selectively coupling the passive load to the medial feed

portion so that the dipole antenna element selectively functions as an absorber for absorbing received signals while the passive load dissipates energy associated therewith.

Regarding claims 2-16 and 33-41 are allowable for the reason given in the claims because of their dependency status from the claims 1 and 32.

Page 3

5. Claims 18-31 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Citation of relevant Prior Art

Prior Art Durham (USP. 6,417,813) disclose feedthrough lens antenna and associated methods.

Prior Art Taylor et al (USP. 6,512,487) disclose wideband phased array antenna and associated methods.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuc D Tran whose telephone number is (571) 272-1829. The examiner can normally be reached on M-F Flex hours.

Application/Control Number: 10/633,929

Page 4

Art Unit: 2821

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Don Wong can be reached on (571) 272-1834. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

TC January 9, 2005

> Supervisory Patent Examine Technology Center 2800